

09413000 SANTA CLARA RIVER AT ST. GEORGE, UT

LOCATION.--Lat 37°04'31", long 113°35'32", in SE^{1/4}SW^{1/4}NE^{1/4} sec. 1, T. 43 S., R. 16 W., Washington County, Hydrologic Unit 15010008 on right bank 0.8 mi upstream from mouth and 2 mi south of St. George.

DRAINAGE AREA.--541 mi².

PERIOD OF RECORD.--October 1950 to September 1956, November 1984 to current year.

GAGE.--Water-stage recorder. Crest-stage gage installed January 27, 1993. Elevation of gage is 2,560 ft above NGVD of 1929, from topographic map. October 1950 to September 1956, gage located 0.25 mi downstream and November 1984 to September 1989, 0.5 mi downstream from present site, both at different datum.

REMARKS.--Records good except for discharges less than 2.0 ft³/s and estimated daily discharge, which are poor. Flow regulated by reservoirs and many diversions for irrigation upstream of station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,000 ft³/s, Mar 12, 1995, gage height, 14.60 ft, from rating curve extended above 2,800 ft³/s; no flow at times in 1951, 1953, 1955, 1956, 1989, 1991, and 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 191 ft³/s, Dec 26, gage height, 7.15 ft; minimum daily discharge, 0.14 ft³/s, Jun 23.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.4	2.8	4.2	3.6	5.4	2.1	1.9	0.28	0.27	0.64	1.9
2	0.91	1.3	2.5	4.2	3.5	7.0	17	1.9	0.25	0.35	0.95	0.87
3	0.87	1.5	2.4	4.8	6.9	4.6	13	1.4	0.26	0.22	0.84	1.1
4	0.98	1.6	2.2	3.8	3.9	4.3	5.0	0.30	0.23	0.20	0.77	0.93
5	1.1	1.6	3.1	4.0	3.5	4.1	3.1	0.24	0.23	0.65	0.47	1.7
6	1.1	1.8	3.1	5.1	3.4	4.0	2.5	0.27	0.17	0.23	0.38	1.7
7	e1.0	1.7	3.1	6.7	3.5	3.8	4.0	0.36	0.15	e0.23	0.49	1.3
8	1.0	1.8	9.3	5.4	3.4	3.8	3.4	0.23	0.16	e0.23	0.37	1.0
9	1.3	1.7	4.4	3.9	3.4	4.1	4.6	0.19	0.20	e0.24	0.84	1.8
10	1.3	1.7	4.3	3.2	3.5	3.8	3.0	0.17	0.17	e0.24	0.53	21
11	1.3	1.6	4.7	3.5	3.1	2.4	2.4	0.18	0.19	0.24	0.29	6.8
12	1.3	1.9	4.5	3.4	3.5	2.5	2.5	0.28	0.17	0.23	2.9	5.2
13	1.5	4.7	6.0	3.2	3.5	2.4	2.4	0.30	0.17	0.22	15	4.0
14	1.6	2.3	5.3	3.0	3.6	2.6	1.9	0.32	0.24	0.23	4.7	4.1
15	1.7	2.1	5.8	3.5	3.6	2.8	1.9	0.56	0.23	0.32	3.0	3.3
16	1.5	3.9	5.3	3.6	3.8	2.3	2.4	0.43	0.18	0.73	3.2	3.5
17	1.7	3.4	5.4	3.4	3.7	2.0	2.4	0.18	0.17	0.25	4.4	3.1
18	1.6	3.1	4.7	3.3	3.7	2.3	2.9	0.19	0.20	0.33	4.2	3.5
19	1.6	2.9	4.5	3.4	3.2	2.4	2.5	0.19	0.18	0.87	2.6	18
20	1.5	2.4	5.4	3.3	3.6	2.6	2.8	0.17	0.17	0.46	3.9	6.2
21	1.4	2.1	5.7	3.3	7.1	1.7	3.4	0.21	0.26	0.29	2.5	5.5
22	1.1	2.7	5.9	3.6	13	2.1	2.5	0.41	0.15	0.29	2.1	4.7
23	1.3	2.7	4.6	3.8	11	2.3	2.1	0.34	0.14	0.66	1.9	4.7
24	1.4	2.8	4.6	3.4	8.4	2.4	1.4	0.23	0.17	0.31	1.9	4.5
25	1.7	2.6	5.7	3.4	4.9	2.3	0.96	0.27	0.24	0.27	1.9	3.8
26	1.8	2.4	33	3.5	41	1.7	1.6	0.36	0.16	0.28	1.7	4.0
27	1.6	2.5	6.7	3.4	20	2.2	1.7	0.25	0.16	0.24	1.9	2.8
28	1.3	2.6	5.3	3.1	13	1.8	1.4	0.24	0.56	0.63	1.5	3.3
29	1.2	2.6	5.4	2.9	5.9	1.8	0.76	0.20	0.44	0.35	1.5	7.5
30	1.2	2.6	7.5	4.0	---	1.5	1.6	0.21	0.29	0.36	1.6	5.5
31	1.5	---	4.9	5.2	---	1.9	---	0.24	---	0.39	1.7	---
TOTAL	41.66	70.0	178.1	118.5	198.2	90.9	99.22	12.72	6.57	10.81	70.67	137.30
MEAN	1.34	2.33	5.75	3.82	6.83	2.93	3.31	0.41	0.22	0.35	2.28	4.58
MAX	1.8	4.7	33	6.7	41	7.0	17	1.9	0.56	0.87	15	21
MIN	0.87	1.3	2.2	2.9	3.1	1.5	0.76	0.17	0.14	0.20	0.29	0.87
AC-FT	83	139	353	235	393	180	197	25	13	21	140	272

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	3.33	5.15	6.52	12.0	15.6	31.9	20.4	13.5	9.28	4.68	5.67	3.75
MAX	10.5	22.1	26.5	128	136	313	136	80.8	73.5	29.1	38.8	12.7
(WY)	(1999)	(1999)	(1999)	(1993)	(1993)	(1995)	(1952)	(1993)	(1995)	(1995)	(1955)	(1998)
MIN	0.22	0.59	0.91	0.82	0.79	1.44	1.50	0.41	0.22	0.21	0.05	0.29
(WY)	(1991)	(1991)	(1992)	(1991)	(1991)	(1991)	(1991)	(2004)	(2004)	(2003)	(1956)	(1953)

VIRGIN RIVER BASIN

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1951 - 2004
ANNUAL TOTAL	821.28	1,034.65	
ANNUAL MEAN	2.25	2.83	11.1
HIGHEST ANNUAL MEAN			56.0
LOWEST ANNUAL MEAN			1.18
HIGHEST DAILY MEAN	33	Dec 26	2,910 Mar 12, 1995
LOWEST DAILY MEAN	0.00	Jul 18	0.00 Sep 21, 1951
ANNUAL SEVEN-DAY MINIMUM	0.01	Jul 15	0.00 Aug 2, 1956
ANNUAL RUNOFF (AC-FT)	1,630	2,050	8,050
10 PERCENT EXCEEDS	4.7	5.3	20
50 PERCENT EXCEEDS	1.7	2.1	3.3
90 PERCENT EXCEEDS	0.07	0.23	0.40

e Estimated